Abstract of the Disclosure

A synthetic vision fused integrated enhanced vision system includes a data base of images of an objective; a non-HVS sensor array for providing a sensor output from each sensor in the array; a feature extraction mechanism for extracting multi-resolution features of an objective and forming a single, fused feature image of the objective; a registration mechanism for comparing the fused feature image to a database of expected features of the objective and for providing registered sensor output vectors; an association engine for processing the registered sensor output vectors with the database of objective images, including an associative match mechanism for comparing the registered sensor output vectors to a data base of objective images and providing comparison vectors therefrom for selecting an objective image for display; and a HVS display for displaying a HVS perceptible image from the data base objective images.

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